

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/011466

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D311/32 A61K31/35 A61P5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, CHEM ABS Data, WPI Data, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GESTER S ET AL: "an efficient synthesis of the potent phytoestrogens 8-prenylnaringenin and 6-(1,1-dimethylallyl)naringenin by europium(III)-catalyzed Claisen rearrangement" TETRAHEDRON, vol. 57, 2001, pages 1015-1018, XP002267058 cited in the application	2
A	Scheme 1 ----- -/-	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*8\* document member of the same patent family

Date of the actual completion of the international search

2 March 2005

Date of mailing of the international search report

08/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Bakboord, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MIYAMOTO M ET AL: "Prenylflavonoids: A new class of non-steroidal phytoestrogen (part 2). Estrogenic effects of 8-isopentenylnaringenin on bone metabolism" PLANTA MEDICA, vol. 64, 1998, pages 516-519, XP009023991 NEW YORK cited in the application table 1	3-5
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10, 31 October 1996 (1996-10-31) & JP 08 165238 A (SANKYO CO LTD), 25 June 1996 (1996-06-25) abstract	3-5
A	DE 101 39 479 A (SCHWABE WILLMAR GMBH & CO) 27 February 2003 (2003-02-27) claim 14	3-5
A	ZIERAU O ET AL: "Estrogenic activity of the phytoestrogens Naringenin, 6-(1,1-dimethylallyl)naringenin and 8-prenylnaringenin" PLANTA MEDICA, vol. 68, 2002, pages 449-451, XP009023992 the whole document	3-5

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/011466

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 08165238	A	25-06-1996	NONE	
DE 10139479	A	27-02-2003	DE 10139479 A1	27-02-2003
			WO 03014287 A1	20-02-2003
			EP 1414937 A1	06-05-2004
			JP 2004537604 T	16-12-2004